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DATE: 01/29/04
TO: Examiner L.Garbowski
COMPANY: US PTO
FROM: Mani Adeli
S/N: 09/732,181
PAGES: 27 (including this page)

Examiner L.Garbowski:

For the application 09/732,181, we received a Notice of Allowance mailed on 11/19/03. Thank you for this Notice of Allowance. However, please note that we submitted several IDS's prior to the Notice of Allowance on 11/09/03, 10/06/03, and 03/13/03. These IDS's were not made of record. Hopefully, by now, these IDS's have worked their way from the mail room to you. To be sure that you have received them, we are faxing you these IDS's along with their postcards that the PTO returned to us.

Please review these IDS's and make them of record by initialing and signing their 1449 forms. If you have any question, please call me at the number below.

Regards,

Mani Adeli

Stattler, Johansen & Adeli LLP
P.O. Box 51860
Palo Alto, CA 94303-0728

Phone No. (650) 752-0990 x102
Fax No. (650) 752-0995

11/9/03

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/732,181
	Filing Date	12/5/00
	First Named Inventor	Steven Teig
	Group Art Unit	2825
	Examiner Name	Leigh M. Garbowski
Total Number of Pages in This Submission	Attorney Docket Number	SPLX.P0003

Enclosures (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Or Individual name	Mani Adeli, Reg. No. 39,585 of Stattler Johansen & Adeli LLP	
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Date	November 9, 2003	

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PATENT
Docket No. SPLX.P0003

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In the application of:

Steven Teig

Serial No.: 09/732,181

Filing Date: 12/6/00

For: RECURSIVE PARTITIONING
PLACEMENT METHOD AND
APPARATUSINFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97Commissioner for Patents
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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

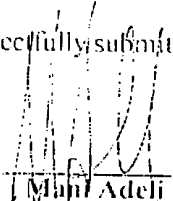
This Information Disclosure Statement is submitted: After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance. A fee is required. A fee in the amount of \$180 is enclosed.

If this fee is separated from this IDS or if the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 50-1128 referencing SPLX.P0003. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: November 9, 2003

Respectfully submitted,

By:


Majid Adeli

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Substitute for form 1449A/PTO			Application Number	09/732,151	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Filing Date	12/6/00	
			First Named Inventor	Steven Teig	
			Group Art Unit	2825	
			Examiner Name	Leigh M. Garbowski	
Sheet	1	of	7	Attorney Docket Number	SPLX.P0003

U.S. PATENT DOCUMENTS

Examiner Serial	Cite No.	U.S. Patent Document Number (Kind Code if known)	Date of Publication MM-DD-YYYY	Name of Patent or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1.		2001/0009031 A1	07-19-2001	Nitta et al.	
2.		2002/0182844 A1	12-05-2002	Igarashi et al.	
3.		2003/0025205 A1	02-06-2003	Shively	
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5.		4,593,363	06-03-1986	Burstein et al.	
6.		4,855,929	08-08-1989	Nakajima	
7.		5,375,969	12-20-1994	Satch et al.	
8.		5,587,923	12-24-1996	Wang	
9.		5,618,744	04-08-1997	Suzuki et al.	
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11.		5,637,920	06-10-1997	Lo	
12.		5,640,327	06-17-1997	Ting	
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15.		5,784,289	07-28-1998	Wang	
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17.		5,838,583	11-1998	Varadarajan et al.	
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19.		5,980,093	11-09-1999	Jones et al.	
20.		6,070,108	05-30-2000	Andreev et al.	

Examiner Signature	Date Considered
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EXAMINER: Initial Each page considered, whether or not a citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number optional. See Rules, Code of USPTO Patent Documents at 37 CFR 1.601 or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document, the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTO			Application Number	09/732,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Filing Date	12/6/00
			First Named Inventor	Steven Teig
			Group Art Unit	2825
			Examiner Name	Leigh M. Garbowski
			Attorney Docket Number	SPLX.P0003
Sheet	2	of	7	

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21.	6,128,767		10-03-2000	Chapman	
22.	6,209,123	B1	03-27-2001	Maziasz et al.	
23.	6,253,363	B1	06-26-2001	Casanov et al.	
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39.	6,543,043	B1	04-01-2003	Wang et al.	
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41.	6,557,145	B2	04-29-2003	Boyle et al.	
42.	6,567,967	B2	05-20-2003	Greidinger et al.	

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* EXAMINER: In list field, once considered, whether or not a claim is in conformance with MPEP 609. Draw line through claim if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique reference designation number (optional). * See: Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 601.04. * Enter Office that issued the document, by the two-letter code (W.P.O. Standard ST 3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under W.P.O. Standard ST 16 if possible. * Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	12/6/00
		First Named Inventor	Steven Teig
		Group Art Unit	2825
		Examiner Name	Leigh M. Garbowski
Sheet	3	of	7
		Attorney Docket Number	SPLX.P0003

FOREIGN PATENT DOCUMENTS						
Foreign Patent Number	City No.	Foreign Patent Document Office	Number	Kind Code of Entry	Name of Patentee or Applicant or Cited Document	Date of Publication MM-DD-YYYY
43.		JP	411296560	A	Matsumoto et al.	10-29-1999
44.		JP	2000-82743	A	Igarashi et al.	03-21-2000
45.		JP	1103-173471	A	Tawada et al.	07-26-1991
46.		JP	1105-243379	A	Masako Kubota	09-21-1993
47.		JP	H05-102305	A	Akihiro Sato	04-23-1993
48.		JP	H07-86407	A	Shirpei Miura	03-31-1995

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Filing Date	12/6/00	
			First Named Inventor	Steven Teig	
			Group Art Unit	2825	
			Examiner Name	Leigh M. Garbowski	
Sheet	4	of	7	Attorney Docket Number	SPLX.P0003

FOREIGN PATENT DOCUMENTS						
49.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract and with English translation of the application.

Examiner Signature	Date Considered
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Sheet

5

of

7

Application Number

09/732,181

Filing Date

12/6/00

First Named Inventor

Steven Teig

Group Art Unit

2825

Examiner Name

Leigh M. Carbowski

Attorney Docket Number

SPLX.P0003

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner Index	Date Recd.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.
50.		Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.
51.		Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 956-931.
52.		Brambilla, A. et al., Statistical Method for the Analysis of Interconnects Delay in Submicrometer Layouts, IEEE, 8/2001, pp. 957-966.
53.		Carothers, K., A Method of Measuring Nets Routability for MCM's General Area Routing Problems, 1999, pp. 186-192.
54.		Chen, H. et al., Physical Planning of On-Chip Interconnect Architectures, 2002, IEEE, International Conference, pp. 30-35.
55.		Cheng, K. et al., Manhattan or Non Manhattan? A Study of Alternative VLSI Routing Architectures, pp. 47-52, 2000.
56.		Cheng, K., Steiner Problem in Octilinear Routing Model, a Thesis Submitted for the Degree of Master of Science, National University Singapore, 1995, pp. 1-122.
57.		Chip Model with Wiring Cost Map, August 1983, IBM Technical Disclosure Bulletin, vol. 26, iss. 3A, pp. 929-933.
58.		Cong, J. et al., Efficient Heuristics for the Minimum Shortest Path Steiner Arborization Problem with Applications to VLSI Physical Design, Cadence Design Systems and UCLA Computer Science Department, pp.88-95.
59.		Cong, J. et al., Performance-Driven Multi-Layer General Routing for PCB/MCM Designs, UCLA Computer Science Department, 1998, pp. 355-361.
60.		Enbody, R. et al., Near-Optimal n-Layer Channel Routing, 23 rd Design Automation Conference, 1985, pp. 708-714.
61.		Fang, S. et al., Constrained Via Minimization with Practical Considerations for Multi-Layer VLSI/PCB Routing Problems, 28 th ACM/IEEE Design Automation Conference, 1991, pp. 60-65.
62.		Horn, I. et al., Estimation of the Number of Routing Layers and Total Wirelength in a PCB Through Wiring Distribution Analysis, 1996, pp. 1-6.

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO		Application Number	09/732,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	12/6/00
		First Named Inventor	Steven Teig
		Group Art Unit	2825
		Examiner Name	Leigh M. Garbowski
Sheet 6 of 7		Attorney Docket Number	SPLX.P0003

FOREIGN PATENT DOCUMENTS

53.	Hong, X. et al., Performance-Driven Steiner Tree Algorithms for Global Routing, 30 th ACM/IEEE Design Automation Conference, 1993, pp. 177-181.
54.	Hu, J. et al., "A Timing-Constrained algorithm for Simultaneous Global Routing of Multiple Nets" IEEE/ACM International Conference on Computer Aided Design, ICCAD - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA USA, 5-9 Nov. 2000, Pages 99-103.
55.	Kastner R. et al., "Predictable Routing" IEEE/ACM International Conference on Computer Aided Design, ICCAD - 2000, IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000, Pages 110-113.
56.	Khoo, K. et al., An Efficient Multilayer MCM Router Based on Four-Via Routing, 30 th ACM/IEEE Design Automation Conference, 1993, pp. 590-595.
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* EXAMINER should reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Indicate copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at 37 CFR 1.101 or MPEP 901.04. * Enter Office that issued the document by the two letter code (WIPO Standard 51.2). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * End of document by the appropriate symbols as indicated on the document under WIPO Standard 51.15 if possible. * Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTO				Application Number	09/732,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	12/6/00
				First Named Inventor	Steven Feig
				Group Art Unit	2825
				Examiner Name	Leigh M. Garbowski
Sheet	7	of	7	Attorney Docket Number	SPLX.P0003

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Serial/Patent No.: 09/732,181
Filing Date: 12/6/00
Att. Docket: SPLN.P0003
Applicant(s): Steven Teig

Att. Sec'y: MAK
Date Mailed: 11/9/2003

TITLE: Recursive Partitioning Placement Method and Apparatus

The following has been received by the U.S. Patent & Trademark Office on the date stamped hereon:

1. Transmittal Form
2. Information Disclosure Statement (2 pages)
3. Form PTO-1449 (7 pages)
4. 1861 cited references
5. Credit Card Payment Form



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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/732,181	
	Filing Date	12/6/00	
	First Named Inventor	Steven Teig	
	Group Art Unit	Leigh M. Garbowski	
	Examiner Name	2825	
Total Number of Pages in This Submission	*	Attorney Docket Number	SPLX.P0003

Enclosures (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations(s) <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Request to Rescind Previous Non-Publication Request <input checked="" type="checkbox"/> Information Disclosure Statement and PTO-1449 <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosures (Listed below): Postcard 47 References Credit Card Payment Form
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Firm Or Individual name	Mani Adeli, Reg. No. 39,585 of Statlter Johansen & Adeli LLP
Signature	
Date	October 6, 2003

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PATENT
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Mary Adeli

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.: 09/732,181

Filing Date: 12/6/00

For: RECURSIVE PARTITIONING
PLACEMENT METHOD AND
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STATEMENT UNDER 37 C.F.R. § 1.97Commissioner for Patents
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Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted: After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance. Applicants would

appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

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Dated: October 6, 2003

Respectfully submitted,

By: _____

Mami Adeli
Registration No. 39,585

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Palo Alto, CA 94303-0728

Phone No. (650) 752-0990 x102
Fax No. (650) 752-0995

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				Filing Date	12/6/00
				First Named Inventor	Steven Teig
				Group Art Unit	Leigh M. Garbowski
				Examiner Name	2825
Sheet	1	of	4	Attorney Docket Number	SPLX.P0003

RELATED U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	U.S. Patent Document Number	Date of filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
	1.	2002/0133798	12-06-2000	Steven Teig et al.	Application regarding related placement technology.
	2.	2002/0073390 S/N 09/737,210	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798
	3.	Preliminary Amendment S/N 09/737,210	12-13-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0073390 does not accurately reflect the claims of S/N 09/737,210.
	4.	S/N 09/737,220	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798
	5.	S/N 09/737,245	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798
	6.	S/N 09/739,460	12-15-2000	Steven Teig et al.	Continuation of present application
	7.	2002/0124231 S/N 09/739,580	12-15-2000	Steven Teig et al.	Continuation of present application
	8.	Preliminary Amendment S/N 09/739,580	12-15-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0124231 does not accurately reflect the claims of S/N 09/739,580.
	9.	S/N 09/739,589	12-15-2000	Steven Teig et al.	Continuation of present application
	10.	S/N 09/742,171	12-19-2000	Steven Teig et al.	Continuation of present application
	11.	2003/0121015 S/N 09/745,067	12-19-2000	Steven Teig et al.	Continuation of present application
	12.	Preliminary Amendment S/N 09/745,067	12-19-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0121015 does not accurately reflect the claims of S/N 09/745,067.
	13.	2002/0069397	01-13-2002	Steven Teig et al.	CIP of the present application.
	14.	2002/0170027	02-20-2002	Steven Teig et al.	CIP of present application
	15.	2002/0157075	02-20-2002	Steven Teig et al.	CIP of present application

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		First Named Inventor	Steven Teig
		Group Art Unit	Leigh M. Garbowski
		Examiner Name	2825
Sheet: 2 of 4	Attorney Docket Number		SPLX.P0003

RELATED U.S. PATENT DOCUMENTS

16.	2003/0088841 S/N 10/329,241	12-23-2002	Steven Teig et al.	CIP of 2002/0133798
17.	Preliminary Amendment S/N 10/329,241	12-23-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088841 does not accurately reflect the claims of S/N 10/329,241.
18.	2003/0018947	12-07-2001	Steven Teig et al.	Application regarding related routing technology
19.	2002/0147958	10-19-2001	Steven Teig et al.	Application regarding related routing technology
20.	2003/0079193	12-07-2001	Steven Teig et al.	Application regarding related routing technology
21.	2003/0063614	01-04-2002	Steven Teig et al.	Application regarding related routing technology
22.	2003/0064559	01-04-2002	Steven Teig et al.	Application regarding related routing technology
23.	2003/0063568	01-04-2002	Steven Teig et al.	Application regarding related routing technology
24.	2003/0101428 S/N 10/040,915	01-05-2002	Steven Teig et al.	Application regarding related routing technology
25.	Preliminary Amendment S/N 10/040,915	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0101428 does not accurately reflect the claims of S/N 10/040,915.
26.	2002/0166105 S/N 10/040,948	01-05-2002	Steven Teig et al.	Application regarding related routing technology
27.	Preliminary Amendment S/N 10/040,948	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0166105 does not accurately reflect the claims of S/N 10/040,948.
28.	2003/0043827 S/N 10/040,953	01-05-2002	Steven Teig et al.	Application regarding related routing technology
29.	Preliminary Amendment	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0043827 does not

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				Filing Date	12/6/00
				First Named Inventor	Steven Teig
				Group Art Unit	Leigh M. Garbowski
				Examiner Name	2825
Sheet	3	of	4	Attorney Docket Number	SPLX.P0003

RELATED U.S. PATENT DOCUMENTS					
		S/N 10/040,953			accurately reflect the claims of S/N 10/040,953.
30.		2003/0023943 S/N 10/040,954	01-05-2002	Steven Teig et al.	Application regarding related routing technology
31.		Preliminary Amendment S/N 10/040,954	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0023943 does not accurately reflect the claims of S/N 10/040,954.
32.		2003/0066042 S/N 10/040,963	01-05-2002	Steven Teig et al.	Application regarding related routing technology
33.		Preliminary Amendment S/N 10/040,963	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0066042 does not accurately reflect the claims of S/N 10/040,963.
34.		2002/0174412 S/N 10/041,942	01-07-2002	Steven Teig et al.	Application regarding related routing technology
35.		Preliminary Amendment S/N 10/041,942	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0174412 does not accurately reflect the claims of S/N 10/040,942.
36.		2003/0088844 S/N 10/041,957	01-07-2002	Steven Teig et al.	Application regarding related routing technology
37.		Preliminary Amendment S/N 10/041,957	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088844 does not accurately reflect the claims of S/N 10/041,957.
38.		2002/0199165 S/N 10/046,864	01-13-2002	Steven Teig et al.	Application regarding related routing technology
39.		Preliminary Amendment S/N 10/046,864	01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0199165 does not accurately reflect the claims of S/N 10/046,864.
40.		2003/0066043	01-13-2002	Steven Teig et al.	Application regarding related routing technology

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			Filing Date	12/6/00
			First Named Inventor	Steven Teig
			Group Art Unit	Leigh M. Garbowski
			Examiner Name	2825
Sheet 4 of 4	Attorney Docket Number	SPLX.P0003		

RELATED U.S. PATENT DOCUMENTS						
	41.	2003/0115566		01-13-2002	Steven Teig	Application regarding related routing technology
	42.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Application regarding related routing technology
	43.	Preliminary Amendment S/N 10/047,982		01-14-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0056187 does not accurately reflect the claims of S/N 10/047,982.
	44.	2003/0066044		01-13-2002	Steven Teig et al.	Application regarding related routing technology
	45.	2003/0066045		01-13-2002	Steven Teig et al.	Application regarding related routing technology
	46.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Application regarding related routing technology
	47.	Preliminary Amendment S/N 10/047,978		01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088845 does not accurately reflect the claims of S/N 10/047,978.

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It is collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Serial Patent No.: 09/732,181
Filing Date: 12/6/00
Att. Docket: SPLX.P0003
Applicant(s): Steven Teiz

Att. Secy: M.A./ka
Date Mailed: 10/6/2003

TITLE: Recursive Partitioning Placement Method and Apparatus

The following has been received by the U.S. Patent & Trademark Office on the date stamped hereon:

1. Transmittal Form
2. Information Disclosure Statement (2 pages)
3. Form PTO-1449 (3 pages)
4. (47) cited references
5. Credit Card Payment Form



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PTO/SB/21 (6-98) (modified)
 Approved for use through 03/30/00. CMB 0651-C03
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/732,181
	Filing Date	12/6/00
	First Named Inventor	Steven Teig
	Group Art Unit	2161
	Examiner Name	<none yet>
Total Number of Pages in This Submission	*	Attorney Docket Number SPLX.P0003

Enclosures (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations(s) <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Request to Rescind Previous Non-Publication Request <input checked="" type="checkbox"/> Information Disclosure Statement and PTO-1449 Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosures (Listed below): Postcard 54 References
Remarks:		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Or Individual name	Mani Adeli, Reg. No. 39,585 of Stattler Johansen & Adeli LLP	
Signature		
Date	March 13, 2003	

CERTIFICATE OF MAILING			
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PATENT
Docket No. SPLX.P0003

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In the application of:

Steven Teig

Serial No.: 09/732,181

Filing Date: 12/6/00

For: RECURSIVE PARTITIONING
PLACEMENT METHOD AND
APPARATUSINFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement is submitted within three months of the application filing date or before the mailing date of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 50-1128 referencing SPLX.P0003. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: March 17, 2003

Respectfully submitted,

By: 

Manil Adeli

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 PTO/SAGA (05-09) - MODIFIED
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Substitute for form 1449A/PTO				Application Number	09/732,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Filing Date	12/6/00
				First Named Inventor	Steven Teig
				Group Art Unit	2161
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	SPLX.P0003

U.S. PATENTS RELATED TO THE PRESENT APPLICATIONS						
Examiner Initials	Cite No.	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Relation to Present Application
	1.	6,516,455	B1	Teig, et al.	02-04-03	

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	2.	2001/0003843	A1	Scepanovic et al.	06-14-01	
	3.	4,615,011		Linsker	09-30-86	
	4.	5,097,422		Corbin, II et al.	03-17-92	
	5.	5,532,934		Rostoker	07-12-96	
	6.	5,566,078		Ding et al.	10-15-96	
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	8.	5,634,093		Ashida et al.	05-27-97	
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	11.	5,742,086		Rostoker et al.	04-21-98	
	12.	5,757,656		Hershberger et al.	05-26-98	
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	14.	5,811,863		Rostoker et al.	09-22-98	
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	16.	5,859,449		Kobayashi et al.	01-12-99	
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	20.	6,035,108		Kikuchi	03-07-00	
	21.	6,058,254		Scepanovic et al.	05-02-00	

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Substitute for form 1449A/PRO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/732,181	
			Filing Date	12/6/00	
			First Named Inventor	Steven Teig	
			Group Art Unit	2161	
			Examiner Name		
Sheet	2	of	3	Attorney Docket Number	SPLX.P0003

U.S. PATENT DOCUMENTS					
22.	6,068,662		Scepanovic et al.	05-30-00	
23.	6,123,736		Pavisc et al.	09-26-00	
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FOREIGN PATENT DOCUMENTS						
Examiner's Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication M-M-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ²	Number ³			
	41.	JP	64-15947	Ouchi	01-19-89	

NON PATENT LITERATURE DOCUMENTS

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO				Application Number	09/732,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	12/6/00
				First Named Inventor	Steven Teig
				Group Art Unit	2161
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	SPLX.P0003

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	42.	A.H. Farrahi et al., Quality of EDA CAD Tools: Definitions, Metrics and Directions, Quality Electronic Design, 2000, Proceedings of the first International Symposium on March 2000, pp 395-405.			
	43.	C. Chiang, et al., Wirability of Knock-Knee Layouts with 45° Wires, IEEE Transactions on Circuits and Systems, Vol. 38, Issue 6, pp 613-624, June 1991.			
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	51.	P. Parikh, et al., Congestion Driven Quadratic Placement, Proceedings of Design Automation Conference, 1998, pp 275-278.			
	52.	R. Putatunda et al., VITAL: Fully Automatic Placement Strategies for Very Large Semicustom Designs, Proceedings of the International Conference on Computer Design: VLSI in Computers and Processors, pp 434-439 October 1988.			
	53.	S. Dutt, et al., Probability-Based Approaches to VLSI Circuit Partitioning, IEEE Trans. on Computer-Aided Design of IC's and Systems, Vol. 19, No. 5, May 2000, pp 534-549.			
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Serial/Patent No.: 09/732,181
Filing Date: 12/6/00
Atty Docket: SPLX.P0003
Applicant(s): Steven Teig

Atty/Sec'y: MA/sl
Date Mailed: 3/12/2003

TITLE: Recursive Partitioning Placement Method and Apparatus

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